

ATENT AND TRADEMARK OFFICE



DATE MANDED LA FULNO DATE 25 MAY 99 28 MAY 98 29 MAY 2001 NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable forms has not been submitted as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.823 (a) indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing." An initial or substitute computer readable form (CRF) of the "Sequence Listing." as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc			Washington, D.C. 2023 www.uspro.go
INCYTE GENOMICS, INC 3160 PORTER DRIVE PALO ALTO, CA 94304 PCTUS99/11497	U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY, DOCKET NO.
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable form has been submitted as required by 37 CFR 1.821.821(c). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.823. as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable form that has been filed with this application has been found to be damaged and/or unreadable form that has been filed with this application has been found to be computer readable form of the "Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable form that has been filed with this application has been found to be damaged and/or unreadable form that has been filed with this application has been found to be damaged and/or unreadable form that has been filed with this application has been found to be computer readable form or the "Sequence Listing." An initial or substitute computer re	09/701232	HILLMAN	J PF 0525 USN
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the lefticiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable form has been submitted as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached marked-up copy of the "Raw Sequence Copy or compact disc of the "Sequence Listing." as not the same as the computer readable form of the "Sequence Listing." as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing." as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e). An initial or substitute computer readable form one matter, as required by 37 CFR 1.821(e). 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIO			INTERNATIONAL APPLICATION NO.
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the leffciency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). An initial or substitute computer readable form (CRF) of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(g), 1.825(b) or 1.825	INCYTE GENOMICS, INC		PCT/US99/11497
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e). 1.821(e), 1.821(g), 1.	3160 PORTER DRIVE		I DUODITY DATE
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing." is not the same as the computer readable form of the "Sequence Listing." as required by 37 CFR 1.821(e). An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute computer readable form (CRF) of the "Sequence Listing." as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where a	PALO ALTO, CA 94304		
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant Provide: Applicant Provides Applic			
NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant Provide: Applicant Provides Applic		·	DATE MAILED: 01 WAY ZUU
Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: Total Call Call Call Call Call	NOTITION TO COL	ADI V WITH DEALIDEMENTS	<u></u>
Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" is as required by 37 CFR 1.821(e). Other: An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4212, for CRF submission hel	CONTAINING NUCL	EOTIDE SEQUENCE AND/OR	AMINO ACID SEQUENCE
America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(g), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	CONTINUE		_
America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(g), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,			national stage in the United States of
deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." A ninitial or substitute paper copy or compact disc of the "Sequence Listing." A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e). 1.821(g), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	Applicant has submitted paper	below however are missing. The	be period within which to correct the
The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other:	America. The items indicated	yold abandonment is set forth in the	accompanying Notification.
with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other:	deficiency noted below and av	old domidoninent is set form in the	, 2000, 200
with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other:	The nucleotide and/or amino a	acid sequence disclosure contained	in this application does not comply
 ★ The application fails to comply with the requirements of 37 CFR 1.821-1.825. ☐ This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). ★ A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). ☐ A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." ☐ The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). ☐ The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). ☐ Other: ☐ An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. ★ A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(e), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help, 	with the requirements for such	a disclosure as set forth in 37 CF	R 1.821-1.825 for the following
This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	reason(s):		
This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: APPLICANT MUST PROVIDE: An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	The emplication fai	ls to comply with the requirements	of 37 CFR 1.821-1.825.
disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(e), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	x The application do	as not contain a "Sequence Listin	g" as a separate part of the
A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: APPLICANT MUST PROVIDE: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(e), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	I his application do	er conv or compact disc as require	d by 37 CFR 1.821(c).
required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: APPLICANT MUST PROVIDE: An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	ansciosure on pape	nuence Listing" in computer readah	ble format has not been submitted as
A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: APPLICANT MUST PROVIDE: An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,			
content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(e), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	A copy of the "Sec	quence Listing" in computer readah	ole form has been submitted. The
37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing." The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	content of the com	puter readable form, however, doe	s not comply with the requirements of
The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	37 CFR 1.822 and	or 1.832, as indicated on the attack	hed marked-up copy of the "Raw
damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	Sequence Listing."	and the contract of	ship application has been found to be
substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	The computer reac	lable form that has been filed with	CDE Diskette Broblem Penart A
The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	damaged and/or u	areadable as indicated on the attach	les required by 37 CFR 1.825(d)
computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	Substitute computer	compact disc of the "Sequence Li	sting" is not the same as the
APPLICANT MUST PROVIDE: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	computer readable	form of the "Sequence Listing" a	s required by 37 CFR 1.821(e).
APPLICANT MUST PROVIDE: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	•	. Total of the boddenes Essang	
An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,			
An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,			
An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	A DOLLG A NEW YORK DOOM	DE.	
An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	1 1 1 1 1 1 1 1 1	DE: itute computer readable form (CRI	F) of the "Sequence Listing."
amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	An initial or subst	itute paper copy or compact disc o	f the "Sequence Listing," as well as an
A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	drant direct	ing its entry into the specification	
are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	amendment direct	ne contents of the paper or compac	t disc and the computer readable form
1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	are the same and	where applicable, include no new	matter, as required by 37 CFR
FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,	1.821(e), 1.821(f),	, 1.821(g), 1.825(b) or 1.825(d).	
CALL: (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,			SE DECLUDEMENTS DI FASE
(703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help,		DING COMPLIANCE WITH THE	SE REQUIREMENTS, FLEASE
(703) 308-4212, for CRF submission help,	(703) 208 4216 for	Rules interpretation	
(202) 287 0200. for Petentin coftware help	(703) 308-4210, for	CRF submission help,	
(703) 287-0200, for Patentln software help.	(703) 287-0200, for	PatentIn software help.	

Anita D. Johnson

Telephone: 703-305-3661

NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification.

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following

(s):	
 ★ The application fails to comply with the required is closure on paper copy or compact disc, as I disclosure on paper copy or compact disc, as I A copy of the "Sequence Listing" in computer required by 37 CFR 1.821(e). ★ A copy of the "Sequence Listing" in computer content of the computer readable form, howev 37 CFR 1.822 and/or 1.832, as indicated on the Sequence Listing. The computer readable form that has been fill damaged and/or unreadable as indicated on the substitute computer readable form must be substitute computer readable form of the "Sequence Listing." The paper copy or compact disc of the "Sequence Listing." Other:	required by 37 CFR 1.821(c). readable format has not been submitted as readable form has been submitted. The er, does not comply with the requirements of the attached marked-up copy of the "Raw d with this application has been found to be the attached CRF Diskette Problem Report. A binitted as required by 37 CFR 1.825(d).
PLICANT MUST PROVIDE: An initial or substitute computer readable fo	rm (CRF) of the "Sequence Listing."

APP

- An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).

FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL:

- (703) 308-4216, for Rules interpretation,
- (703) 308-4212, for CRF submission help, (703) 287-0200, for Patentln software help.

anta Mhuron Anita D. Johnson

0 1 MAY 2001

DATE MAILED:

Telephone: 703-305-3661

FORM PCT/DO/EO/920 (March 2001)

BEST AVAILABLE COPY